

### **ABSTRACT OF THE DISCLOSURE**

A mounting assembly for supporting an evacuated enclosure within an outer housing of an x-ray tube is disclosed. The mounting assembly comprises a clamp portion having a C-shaped configuration, and a bracket portion having a circular recess that receives at least a portion of the clamp portion therein. The clamp portion includes an aperture that frictionally attaches to a window assembly of the evacuated enclosure. The clamp portion is in turn mechanically attached to the bracket portion such that an aperture in the bracket portion is aligned both with the clamp portion aperture and a window disposed in the window assembly. The bracket portion further includes a concave surface that is shaped to mechanically mate with an exterior portion of the outer housing, thereby securably supporting the evacuated enclosure within the outer housing. The mounting assembly further includes structures for securing the x-ray tube within an x-ray generating device.

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